

# Facsimile Cover Sheet

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**Date: 3/3/98**

**Pages Including this  
 cover page: 18**

**Comments: 5.17 Acre Site Abandonment - Bible Grove, Clay Co. Illinois.**

Attached is a report by ENRECO, the contractor who did the final stabilization work of the lined pit in November, 1987. I planned to include this as an appendix in my final report, but thought you might want this ahead of time for your upcoming reports & presentations.

As shown, the final estimate of pit residue was 5.83 cu. yds. and it took 1466 tons of reagent to complete the stabilization. This resulted in a 28% application rate (tons of reagent per cu. yd. of pit residue). Based on ENRECO's data, they stabilized approx. 5.8' of residue after we pumped out any remaining free water and before the final clay cap and soil caps were placed by our dirt work contractor, Moore Bros. Inc.

In our July 18, 1996 Abandonment Plan, based on the dimensions of 208' x 116' by 8-10' deep, it was estimated that between 30,000 & 40,000 bbls. of water and residue (produced fluid and oily sediment) was present in the lined pit. By July, 1996 it was estimated that 22,570 bbls. of water had been removed and transported to commercial Class II wells for disposal via

pump trucks. This would be equivalent of approx. a 5.3' drop in the pit's fluid level, but the level only dropped about 2-3' due to heavy rains adding more water back into the lined pit. Water disposal into nearby L. Webster #16-1 began in Feb. 1996 and continued through early Nov. 1997 first using a stationary triplex pump that had been installed and then using a contract manned pump truck, after the stationary pump failed. Unfortunately, the volume of water disposed of into the nearby well could not be exactly measured during this period, but several feet of water were pumped out of the lined pit.

In July 1997, the top oily layer was sampled again and it was estimated at 8" thick (or approx. 16,000 cu. ft., or 600 cu. yds.). The volume of the bottom layer was unknown until the final stabilization took place in Nov. 1997. By difference, it was estimated to be 5' thick (or approx. 124,000 cu. ft., or 4,587 cu. yds.).

The attached table shows the current estimates of the various fluid layers in the lined pit. If you have any questions, please feel free to call me.

Maximum Lined Pit Volume:						Fe.	Cu. Ft.	Cu. Yds.	Gals.	Bbls.
Lined Pit Dimensions on top: 13' x 11'										
Although walls are sloped, for purposes of estimating volumes, assume walls are vertical										
Assume lined pit depth is: 10' deep										
Maximum lined pit volume:						10	241,280	8,936	1,804,774	42,971
Previous Estimate:										
July 10, 1996 Abandonment Plan showed estimate of:										
(depth of lined pit was estimated between 8' and 10' deep, and						7.0	168,449	6,239	1,260,000	30,000
with sloped walls and fluid about 1' from top:						9.3	224,589	8,318	1,680,000	40,000
Total Oily Layer (top & bottom) Combined & Stabilized:										
ENRECO's stabilization of the combined top and bottom oily layers showed thickness between 5' and 6'										
after all free water was pumped out of the lined pit and that 5183 cu. yds. were stabilized:						5.8	139,941	5,183	1,046,759	24,923
Top Oily Layer Estimate:										
Based on an estimate that the top oily layer was 8" thick, its volume was:						0.7	16,065	596	120,318	2,865
Bottom Oily Layer Estimate:										
By difference the bottom oily layer is calculated as:						5.1	123,856	4,587	926,440	22,058
Notes: The lined pit level increased during rainy seasons of 1995, 1996 & 1997.										
Between July, 1995 and July, 1996 as estimated 22,570 bbls. of water were reported to be removed										
and disposed of at local commercial Class II disposal facilities.										
Additional water was disposed of in nearby L. Webster #16-1 between Dec. 1996 and Oct. 1997										
using a fixed pump and a contract pump truck. This amount of water was not measured.										
By difference the middle water layer before stabilization tank plan is calculated as:										
Water Layer Estimate:						4.2	101,339	3,753	758,016	18,048
Total lined pit volume (should equal max. lined pit volume above):						10	241,280	8,936	1,804,774	42,971

**Final Report - North Bible Grove Production Site****Prepared for:**

Texaco Exploration and Production, Inc.

Denver Region

4601 DTC Blvd.

Denver, CO 80237

**Submitted by:**

ENRECO, Inc.

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**Abandonment Impoundment Solidification Project  
North Bible Grove Production Site**

November 1997

**ENRECO, Inc.****Texaco Exploration and Production Project  
North Bible Grove Production Site Solidification  
Project Summary**

ENRECO, Inc. was contracted by Texaco Exploration and Production to provide all equipment, materials, labor, testing and expertise to solidify the contents of a production pit located at the North Bible Grove Production Facility near Bible Grove, Illinois. The objective of this project was to solidify the pit residue to contain and prevent the migration of hydrocarbons and provide adequate support for an earthen cap and cover, and, in addition, to do so in a safe manner that was protective of personnel and the environment.

Mobilization to the site began on Monday the 3<sup>rd</sup> of November 1997. The site was surveyed for health and safety risks, work zones were delineated, and the equipment was rigged for actual solidification to begin on Tuesday. During this time it was determined that Level C personal protective equipment (full-face respirators with organic vapor cartridges and HEPA filters, Tyvek, rubber boots, gloves, etc.) would provide personnel inside the work zone the proper protection with a good margin of safety. This level of protection was maintained for the duration of the project.

Actual solidification operations began Tuesday morning the 4<sup>th</sup> and continued until the 21<sup>st</sup> of November. The total time that ENRECO was on the location was 20 calendar days of which 14 were used for solidification operations. Final tests, decontamination of equipment, and demobilization took place on Saturday the 22<sup>nd</sup> of November. During that time, 1465.91 tons of reagent were used to solidify approximately 183 cubic yards of pit residue. The calculated overall application rate was 28.2%. Actual application rates over the pit area varied between 22% and 35%, depending on the solids contents and the presence of trapped water. The data sheets and drawings for the measurements and tests are attached. Also, all truck reagent logs and placement drawings are included in this report.

During operations no major problems developed. Minor difficulties were encountered with truck access and with scheduling reagent deliveries and truck unloading times. Steps were taken and these problems were overcome or adjustments made as the project progressed.

**ENRECO, Inc.****Texaco Exploration and Production Project  
North Bible Grove Production Site Solidification  
Weekly Work Summary****Monday, November 3, 1997**

Arrived at the project site in A.M. with equipment. Cat excavator arrived at 10:00 A.M. All rigging was completed by late afternoon. Four truckloads of reagent ordered for Tuesday. Personnel on site: Vern Laudenbarger, Tom Treadway, and Mark Cox.

**Tuesday, November 4, 1997**

Began solidification in the SW corner of the pit. Some water still trapped below the top sludge layer. Most has been removed. First truckload unloaded in a little under 2 hours. Last three truckloads took a little longer. Depth of sludge in this corner of the pond appeared to be approximately 5 feet. Applied the first two truckloads of reagent at 20%. Area treated at this ratio does not appear that it will gain strength. Increased the ratio to approximately 30% for the second two loads. 30% appears to be close to proper ratio. Some difficulty encountered getting reagent trucks into the site due to wet and muddy conditions. Rock will be delivered to fix the roads. Four additional truckloads of reagent were ordered for Wednesday. Personnel on site: Vern Laudenbarger, Tom Treadway, David Musser. Also on site: Scott Toner and Richard Gramlick.

**Wednesday, November 5, 1997**

Changed up the reagent dosing system first thing in the morning in an attempt to accelerate unloading time. First two truckloads unloaded in less than 2 hours. Last two truckloads arrived late. Rain started around 2:30 P.M. and continued all afternoon. Last two trucks had to be pulled into and out of the site. The depth of the sludge on the center of the south side remained at approximately 5 feet. Area treated at 20% was still oily and did not gain any strength after 24 hours so additional reagent was added to the area. 30% areas appeared to be close. Final application rate may need to be 35% to 40%. Sumps that were dug to remove the water from the pit began to become a problem as they made moving the excavator difficult and they are full of sludge. Richard Gramlick was contacted and the sumps will be removed first thing Thursday morning. Four truckloads of reagent ordered for Thursday. Personnel on site: Tom Treadway, Vern Laudenbarger, David Musser.

**Thursday, November 6, 1997**

It rained all night and all day today. The first two truckloads of reagent had to be turned around as they could not get into the location. Last two trucks were cancelled. Three truckloads of rock arrived on the site mid-morning and were spread on the road. More rock was needed so three more loads were ordered for afternoon delivery. The contents of the sumps were removed and placed into the pit. 5 truckloads of reagent were ordered for Friday. Personnel on site: Vern Laudenbarger, Tom Treadway, David Musser.

**Friday, November 7, 1997**

The remainder of the rock was spread first thing in the morning. The first 4 truckloads of reagent all unloaded in less than 1 hour. The fifth truckload did not arrive as the plant ran out of reagent. We were also told that reagent would not be available on Saturday. We were told that availability would not be a problem next week. Six truckloads were ordered for Monday. The depth of the sludge as we approached the east end of the south side of the pit was approximately 5.5 feet. Areas treated at 30% to 35% were gaining fairly good strength. Three more loads of rock arrived. Personnel on site: Vern Laudenbarger, Tom Treadway, David Musser, Mark Cox.

**Saturday, November 8, 1997**

No operations at the location.

**ENRECO, Inc.**  
**Texaco Exploration and Production Project**  
**North Bible Grove Production Site Solidification**  
**Weekly Work Summary**

**Monday, November 10, 1997**

Six truckloads of reagent were scheduled for delivery. After unloading the first truckload of reagent, a small hydraulic oil leak was noticed. Fabick tractor was contacted and a service technician requested ASAP. The service technician arrived late AM to fix the leak. The last three truckloads of reagent were cancelled. The second and third loads were unloaded in the afternoon. Water was present in the area being treated, and as a result, a little higher ratio was used. This is the area along the southern berm and directly adjacent to one of the strips used to remove water from the pit. Before noon, the order for 6 truckloads of reagent for Tuesday delivery were cancelled since the nature of the hydraulic leak and expected repair time were unknown. An afternoon call to attempt to reestablish the order was unsuccessful in getting a firm commitment for deliveries. Personnel on site: Tom Treadway, Tracy Miller.

**Tuesday, November 11, 1997**

The crew arrived at the site at 6:30 AM with the expectation that the trucking company might be able to make the deliveries requested late yesterday. We were informed by telephone shortly after 7:30 AM that trucks would not be coming today. An order for 6 truckloads for Wednesday delivery was placed. Personnel on site: Tracy Miller, Tom Treadway.

**Wednesday, November 12, 1997**

The first truckload was used to finish the southern most pass along the pit. From there we moved out on top of the solidified area to reach to the south side of the wall that splits the pit down the middle. The first two truckloads of reagent took a long time to unload. The last two truckloads were cancelled for the day since they would not arrive to the site until near or after dark. The application ratio used for these 4 loads was slightly over 25%. By appearance, it is believed that additional reagent may be required in this area. We decided to wait until tomorrow to see if any strength develops in this area. Six truckloads of reagent were ordered for Thursday. Personnel on site: Tom Treadway, Tracy Miller.

**Thursday, November 13, 1997**

The area treated yesterday was not showing any strength yet. We will test this area again later in the day. All six truckloads of reagent arrived near the scheduled time and all unloaded in one hour or less. Since the area treated yesterday was not gaining any strength, the treatment ratio was increased to approximately 30%. Some water was encountered under the upper sludge layer near the center south side of the center wall. It started to snow at approximately 2:00 PM. The 30% ratio in this area appeared to be appropriate to gain a good loadbearing strength. Ordered another six truckloads for Friday. Personnel on site: Tracy Miller and Thomas Treadway.

**Friday, November 14, 1997**

Due to bad weather conditions, only 4 truckloads of reagent were received. The trucking company cancelled the other two. The trucking company again informed us that they could not make deliveries to us on Saturday. Six truckloads were ordered for Monday. The area treated yesterday at 30% was showing some strength, so the application rate of 30% was continued today. Personnel on site: Tracy Miller, Tom Treadway, David Musson, Mark Cox.

**Saturday, November 15, 1997**

No Solidification operations on the location. The trucking company used to transport the reagent said it had other commitments and did not have any drivers available. Efforts to find another trucking company were not successful. We were told by the solidification reagent supplier (Minter) that railroad system difficulties had increased the demand for trucking. Tom Treadway was on site to do a safety audit. It was determined that a barrier fence should be placed along the southern and western edge of the pit.

**ENRECO, Inc.****Texaco Exploration and Production Project  
North Bible Grove Production Site Solidification  
Weekly Work Summary****Monday, November 17, 1997**

The first two truckloads of reagent were a late arriving. The southern half of the pond was finished with the first truckload of reagent and then work moved to the northwest corner of the pit. This corner of the pit appears to have higher solids content and some dirt had been pushed into it. The reagent was applied at a rate of a little less than 2% in this area and it appears to be sufficient to meet project objectives. A total of 4 truckloads of reagent were received. Personnel on site: Thomas Treadway and Tracy Miller.

**Tuesday, November 18, 1997**

We made good progress in the third pass today. Operations began just to the north of the center-dividing wall and to the east of the dividing wall that runs north and south. (Northwest corner of the pit.) The first truckload arrived at 6:30 A.M. and all trucks unloaded in approximately 1 hour. Six truckloads were received for a total of 156.48 tons of reagent. The application rate was approximately 30%. Some subsurface water was encountered just east of the center of the pit. Personnel on site: Thomas Treadway, Tracy Miller and David Musser.

**Wednesday, November 19, 1997**

We continued to treat the area just north of the brick wall dividing the north and south halves of the pit. A total of 6 truckloads of reagent were received. Visitors on the site included the U.S. EPA and the State of Illinois Mines and Minerals. Also, several visitors from Texaco were present. Strength tests were performed on the southern half of the pit and readings were taken with the Ludlum survey meter across the southern half of the pit and along all exterior berms. Six truckloads were ordered for Thursday. Personnel on site: Thomas Treadway, Tracy Miller, and David Musser.

**Thursday, November 20, 1997**

We finished treating the area directly north of the dividing wall across the center of the pit and then started to treat the narrow strip along the north pit berm. Moore Bros. Construction moved material needing treatment into the pit. This material had been located in an area approximately 100 to 200 feet south of the main pit. Five truckloads of reagent were delivered today. It was estimated that 5 to 6 truckloads would be needed to complete the solidification work. Six truckloads were ordered for Friday. Personnel on site: Thomas Treadway, Tracy Miller, and David Musser.

**Friday, November 21, 1997**

We arrived at the site at 6:00 A.M. The first truck arrived at 6:30 A.M. The work today consisted of finishing the small strip of pit located along the north berm and also touching-up two other areas that were a little off yet. Unloaded truckloads to finish the pit solidification work. Personnel on site: Thomas Treadway and Tracy Miller.

**Saturday, November 22, 1997**

The crew arrived on the location at 7:00 A.M. to perform testing activities and site cleanup. P and D services also arrived at 7:00 A.M. to begin decontamination of the excavator. A decontamination pad was built in the southwest corner of the pit. The injector and the excavator were cleaned with a pressure and steam cleaner. All liquids from the decontamination procedure remained within the pit berms. After the injector and excavator were cleaned to a visible clean, they were surveyed with the Ludlum survey meter to determine if they were clean. All readings were at background. A welding machine was used to cut the manifold off the excavator stick. Strength tests were performed on the north half of the pit. All readings were over 15psi. A small area in the northwest corner that was treated at the end of the day yesterday was still curing, but by sample appearance it should have no problem reaching good strength. The injector and hoses were loaded on the trailer. Scott Toner from Texaco visited the site to take survey meter readings. All equipment and



personnel were demobilized from the site at the end of the day. Personnel on site: Tracy Miller and Thomas Treadway.

# ENRECO, INC.

North Bible Grove Production Site Solidification  
Site Diagram - Reagent Load Placement

T	46	45	50		52		54		56	55						
	31	47	32	33	34	35	36	37	38		39	40	41	42	43	44
5	17	18	19	20	21	22	23	24	25	26	27	28	29	30	40	
1	8	2	3	4	9	10	11	12	13	14	15	16				

Notes: Each number represents one truckload of solidification reagent and the approximate location where the load was placed.

*David J. M...*

**ENRECO, Inc.**

Project: North Bible Grove Production Site Solidification  
Site Diagram - Pit Residue Depth Measurements


6.0'	5.5'	6.0'	5.0'	6.0'
5.5'	6.0'	6.0'	6.5'	6.5'
5.5'	6.0'	6.0'	6.0'	6.5'
6.0'	6.5'	6.5'	6.0'	6.0'

Notes: All depths were measured by placing the solidification injector vertically into the oily pit residue and then measuring the depth of penetration off of the injector. All depths were recorded in feet.

Volume Calculation: Length of pit = 208', Width of pit = 116', Depth of pit = 5.8'.  
 $208' \times 116' \times 5.8' = 139,942 \text{ cf}$      $139,942 \text{ cf} / 27 \text{ cf / cy} = 5183 \text{ cys}$   
 Treatment Ratio:  $1463.91 \text{ tons} / 5183 \text{ cys} = 28.2\%$

**ENRECO, Inc.**

Enenco Exploration and Production Co.  
North Bible Grove Production Site Solidification  
Site Diagram - Strength Test Results

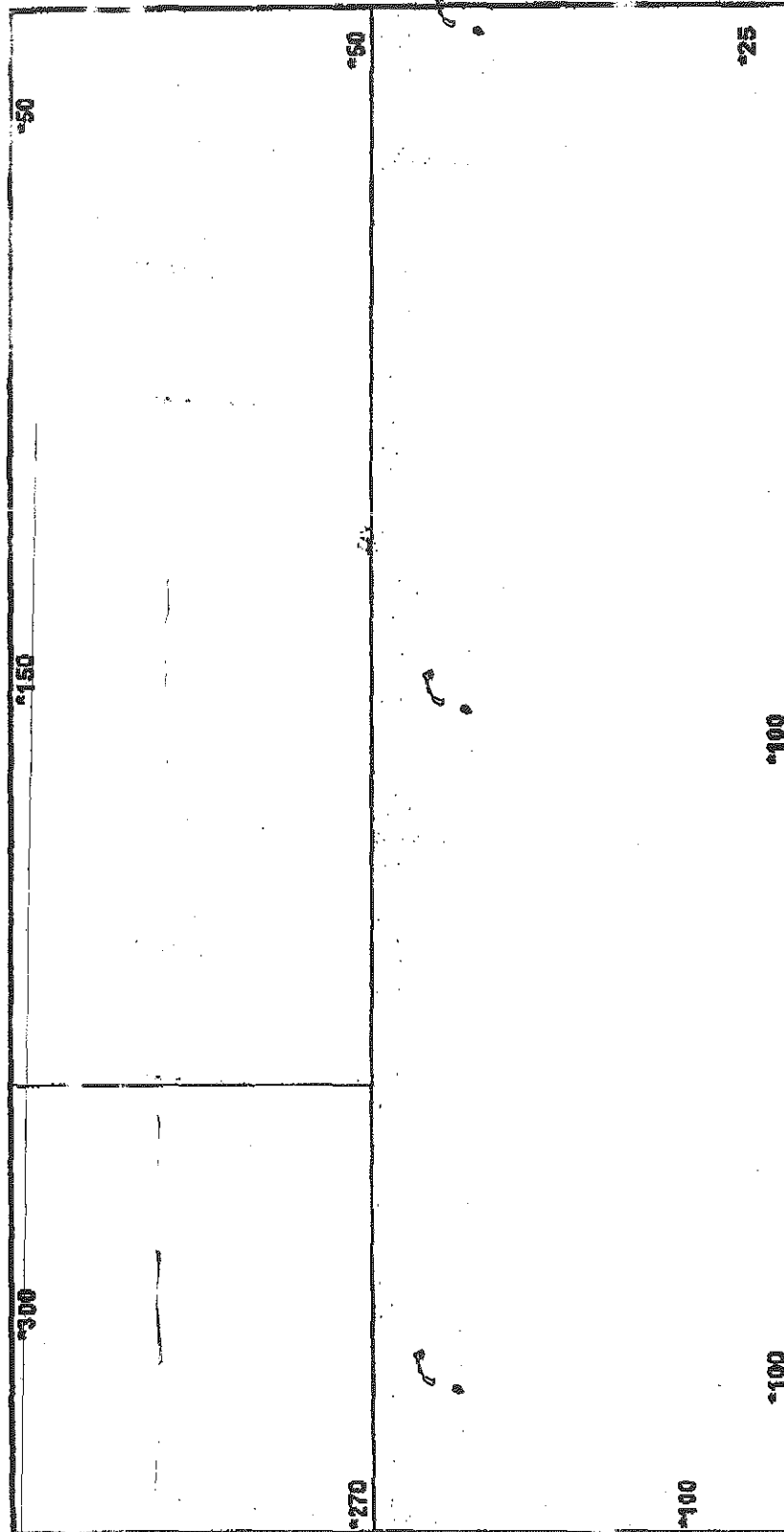


*35	*35	*24	*21
*21	*28	*28	*21
*35	*14	*24	*25
*62	*49	*62	*31

Notes: Strength tests (UCS) taken by a handheld penetrometer. (ASTM method 1558 - modified.)  
All strengths reported in psi. All measurements in the southern half of the pond were taken on Nov. 17, 1997.  
Measurements taken in the northern half of the pond were taken on Nov. 22, 1997.  
Measurements taken by: David T. Musser and Thomas Treadway

**ENRECO, Inc.**

North Bible Grove Production Site Solidification  
Site Diagram - Survey Meter Readings



Notes: Survey measurements taken on November 4, 1997.

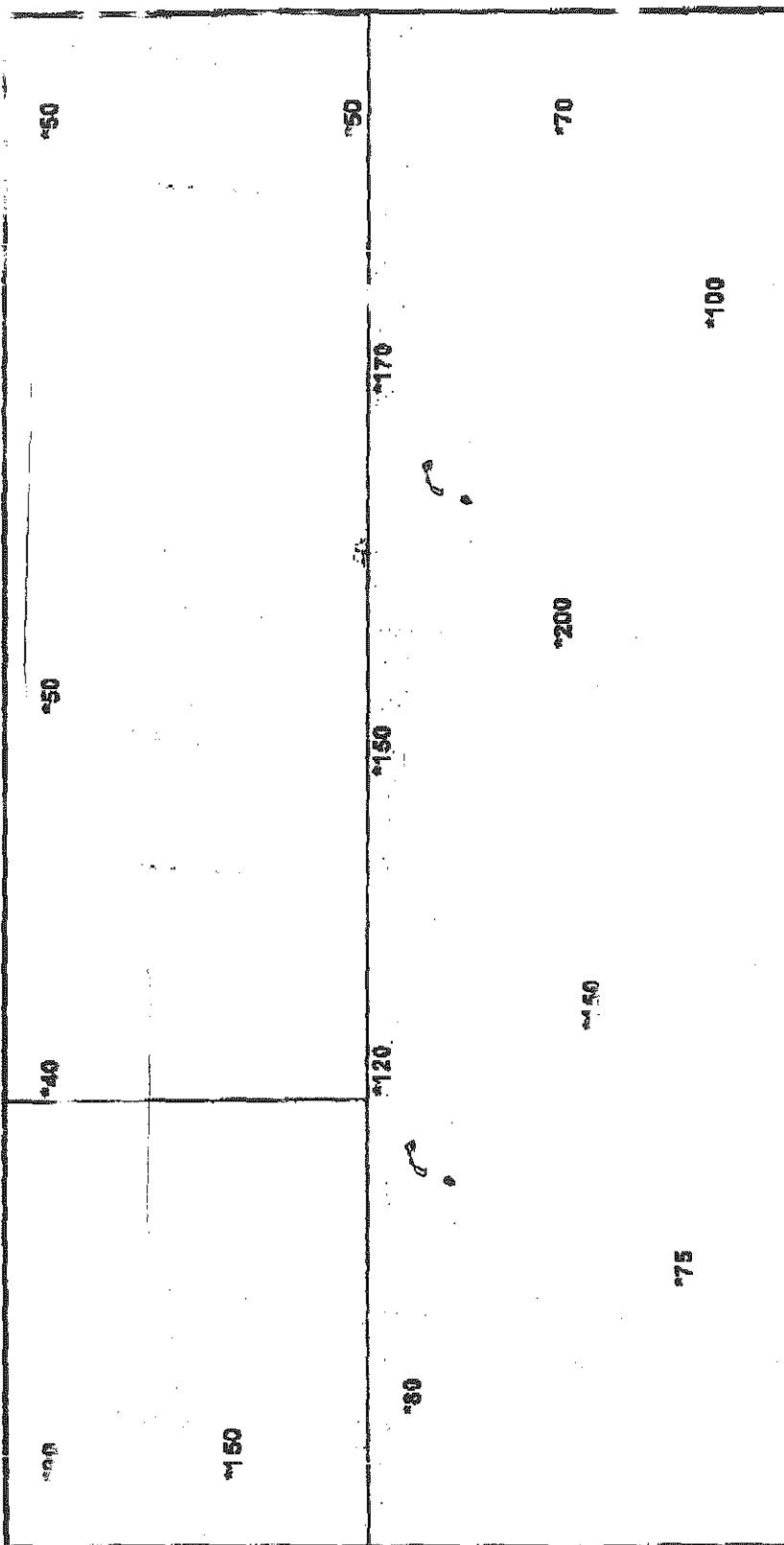
The readings were taken before the start of solidification activities at the sludge / berm interface.

Measurements taken with a Ludlum Model 3 Survey Meter with a model 44-9 probe. All readings in microrems.

Readings taken by David Musser and Thomas Treadway.

**ENRECO, Inc.**

Enenco, Inc. is a subsidiary of Enenco  
 North Bible Grove Production Site Solidification  
 Site Diagram - Survey Meter Readings



Notes: Survey Meter Measurements on November 19, 1997.  
 All readings taken with a Ludlum Model 3 meter with a Model 44-9 Probe. All readings are in microrems.  
 Measurements taken by David Musser and Thomas Treadway.

**ENRECO, Inc.**  
**Texaco Exploration and Production Project**  
**North Bible Grove Production Site Solidification**  
**Recent Truck Log**

ENRECO Job Number: 131  
 Prepared by: Thomas Treadway, David Musser

Date	B.L. No.	Load No.	Tons	Sched. Time	Arrive Time	Start Time	Finish Time	Unload Time	Comments
11/4/97	137882	1	26.79	7:00	7:05	7:30	9:12	1:42	
11/4/97	137891	2	27.01	9:00	8:30	9:40	12:35	2:55	
11/4/97	137920	3	26.46	11:00	12:35	1:15	4:33	3:18	
11/4/97	137921	4	26.95	1:00	12:35	4:50	6:05	1:15	
11/5/97	137995	5	26.53	7:00	8:35	7:35	9:38	2:05	
11/5/97	138004	6	26.73	9:30	9:00	9:50	11:50	1:40	
11/5/97	138061	7	26.74	12:30	2:13	2:20	4:35	2:15	
11/5/97	138079	8	26.27	2:30	4:30	4:50	6:05	1:15	
11/7/97	138222	9	26.35	7:00	7:05	8:35	9:35	1:00	
11/7/97	138227	10	27.45	8:30	8:30	9:50	10:45		
11/7/97	138243	11	26.97	10:00	9:00	11:10	11:55	:45	
11/7/97	138270	12	26.50	11:30	12:10	1:40	2:20	:40	Weekly total = 320.28 tons
11/10/97	138323	13	26.35	7:00	6:30	6:50	8:35	1:45	
11/10/97	138330	14	26.46	8:30	9:00	12:50	2:15	1:30	
11/10/97	138335	15	26.19	10:30	9:00	2:37	4:47	1:10	
11/12/97	138513	16	26.99	7:00	6:30	6:50	7:35	:45	
11/12/97	138525	17	26.54	8:30	9:15	9:30	11:20	1:50	
11/12/97	138526	18	25.88	10:00	9:15	11:30	12:50	1:20	

Texaco Exploration and Production Project  
North Bible Grove Production Site Solidification  
Reagent Truck Log

ENRECO Job Number: 137

Prepared by: Thomas Treadway

Date	Bill No.	Load No.	Tons	Sched. Time	Gate Time	Gate Time	Finish Time	Unload Time	Comments
11/12/97	138559	19	25.01	1:00	1:15	1:25	2:25	:60	
11/13/97	138625	20	26.34	7:00	6:30	6:45	7:40	:55	
11/13/97	138636	21	26.08	3:30	3:40	8:50	9:50	:60	
11/13/97	138642	22	25.9	10:00	9:55	10:05	10:55	:50	
11/13/97	138663	23	25.74	R/T	12:20	12:30	1:20	:50	
11/13/97	138674	24	26.38	R/T	2:25	2:35	3:35	:60	
11/13/97	138695	25	26.45	R/T	4:15	4:25	5:25	:60	
11/14/97	138714	26	23.69	7:00	6:30	7:00	7:45	:45	
11/14/97	138738	27	25.63	8:30	10:10	10:20	11:15	:55	
11/14/97	138804	28	24.3		12:30	12:45	1:45	:60	
11/14/97	139028	29	25.89	R/T	3:25	3:30	4:35	1:05	Weekly total = 442.22 tons
11/17/97	139063	30	25.05	7:00	7:10	7:20	8:10	:50	
11/17/97	139075	31	26.2	8:30	9:15	9:25	10:20	:55	
11/17/97	139077	32	25.34	10:00	9:25	10:30	12:00	1:30	
11/17/97	139130	33	26.09	R/T	3:00	3:10	4:10	1:00	
11/18/97	139176	34	25.04	6:30	6:30	6:45	7:40	:55	
11/18/97	139182	35	26.38	8:00	7:30	7:50	8:30	:40	
11/18/97	139140	36	26.48	7:00	8:15	8:40	9:30	:50	



ENRECO, Inc.  
 Texaco Exploration and Production Project  
 North Bible Grove Production Site Solidification  
 Reagent Truck Log

ENRECO Job Number: 137

Prepared by: Thomas Treadway

Date	B.L. No.	Load No.	Tons	Sched. Time	Arrive Time	Start Time	Finish Time	Unload Time	Comments
11/18/97	139214	37	24.72	R/T	11:55	12:05	12:05	:50	
11/18/97	139222	38	26.83	R/T	1:20	1:30	2:20	:50	
11/18/97	139230	39	27.03	R/T	2:30	2:40	3:30	:50	
11/19/97	139294	40	26.99	6:30	6:40	6:50	7:40	:50	
11/19/97	139300	41	25.32	7:00	7:20	7:50	8:40	:50	
11/19/97	139306	42	26.38	8:00	8:30	9:00	10:00	:60	
11/19/97	139337	43	26.26	R/T	1:15	1:25	2:15	:50	
11/19/97	139350	44	24.63	R/T	1:35	2:45	3:50	1:05	
11/19/97	139361	45	25.75	R/T	2:15	2:45	3:40	:55	
11/20/97	139412	46	25.35	6:30	6:30	6:30	7:20	:50	
11/20/97	139423	47	26.37	7:30	8:00	8:05	9:15	1:10	
11/20/97	139407	48	26.11	8:30	9:20	9:30	10:25	:55	
11/20/97	139460	49	23.71	R/T	12:00	12:30	1:20	:50	
11/20/97	139479	50	25.86	R/T	3:30	3:40	4:35	:55	
11/21/97	139515	51	26.52	6:30	6:30	6:45	7:45	:60	
11/21/97	139536	52	26.91	7:30	7:30	7:55	8:50	:55	
11/21/97	139466	53	25.64	8:30	8:15	9:00	10:15	1:15	
11/21/97	139516	54	27.00	9:30	9:10	10:25	11:37	1:12	

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**ENRECO, INC.**

**Texaco Exploration and Production Project  
North Bible Grove Production Site Solidification  
Reagent Truck Log**

**ENRECO Job Number: 137**

**Prepared by: Thomas Treadway**

Date	B.L. No.	Load No.	Tons	Sched. Time	Active Time	Start Time	Finish Time	Unload Time	Comments
11/21/97	139576	55	26.88	R/T	1:30	1:40	2:25	:45	
11/21/97	139587	56	26.37	R/T	3:45	3:45	4:15	:30	Weekly Total = 703.41 tons
END		57							
		58							Project Total = 1465.91 tons
		59							
		60							
		61							
		62							
		63							
		64							
		65							
		66							
		67							
		68							
		69							
		70							
		71							
		72							